1793,1057 Dockel No _ UNITED STATES Form (Rev 2/01) COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION As a below named inventor, I hereby declare that. My residence, poet office address and citizenship are as stated below next to my name. my residence, poet office address and calcending are an initial patron inventor for injurial. It is and joint inventor (if plural names are 1 believe that I am the original, first and sole inventor (if only one name is listed below) or an original. It is and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled.

APPARATUS AND METHOD FOR DETECTING THE DIRECT AND APPARATUS AND METHOD FOR REPRODUCING DATA RECORDED THE HISC the specification of which is attached horeto, unless the following box is checked; as United States Application Number or PCT International Application Number and was amended I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I thereby utain foreign application(s) for patent or inventor's certificate interesting the priority benefit(s) under 36 U.S.C. • 119(s)-(d) or • 365(s)-(c) of any foreign application(s) for patent or inventor's certificate having a filling date before that of the listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filling date before that of the application on which priority is claimed. Priority NOT Prior Foreign Application(s) Claimed 13/November/2002 Rep. of Korea : .. 2002-70457 Day/Month/Year Filed (Country) (Number) Day/Month/Year Filed (Country) (Number) Thereby claim the benefit under 35 U.S.C. 120 or 119(e) of any United States application(e), or 1385(c) of any PCT International application I neredy claim the bonding direct to U.S.C. 120 or 1719(e) of any bonded elected application to the claims of this application is not disclosed in the prior designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior disclose information which is material to potentiability as defined in 37 C.F.R. 1.58 which hereare available between the filing date of the prior disclose information which is material to potentiability as defined in 37 C.F.R. 1.58 which hereare available between the filing date of the prior disclose information which is material to potentiability as defined in 37 C.F.R. 1.58 which hereare available between the filing date of the prior disclose information which is material to potentiability as defined in 37 C.F.R. 1.58 which hereare available between the filing date of the prior disclose in the prior disclose application and the national or PCT international filing date of this application. (Status - patented, pending, abandoned) (Filing Date) (Application Serial No.) (Status - patented, pending, abandoned) (Filing Date) (Application Serial No.) I hereby appoint the attorneys and agents of Stass & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Omce connected therewith:

I hereby declare that all statements made herein of my own knowledge are true and that all elatements made on information and bolief are believant to be true; and further that these statements were made with the knowledge that willful false statements and the like so made sit punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Bong-hwosn Choi Full name of sole or first inventor Inventor's Signature Citizenship Rep of Koras Residence Cyconggi-do, Republic of Kores 104-1208 Shingal Samsung Apt., Gihaung-aup, Yongin-si, Gyeonggi-do, Republic of Korea __RRANDA EnillaM Full name of second inventor Date Inventor's Signature. Residence Mailing Address _ ☐ Additional inventors are being named on separately numbered sheets attached hereto.